EPOXY TOP COAT PAINT

TECHNICAL DATA SHEET

PRODUCT DESCRIPTION

Epoxy resin based, two-component epoxy topcoat cured with polyamide hardener.

PRODUCT FEATURES

- Excellent adhesion on metals.
- Resistant to chemicals
- Wear resistant

RECOMMENDED FOR

- Sheet, galvanized steel, aluminum, wood and mineral surfaces.
- Wood, metal and mineral surfaces which is exposed to water, sea water, various chemicals and abrasion.
- In general industrial machinery and metal protection.
- Marine applications.

Drying time

Touch dry	5-6	hour
Full Dry	XX	hour
Chemical Curing	7	day

** The specified drying time; [lt] is available in 23 C ambient temperature and 50 ± 2% relative humidity conditions.*

SURFACE

Before the application all surfaces must be cleaned from dust, oil and rust.

Metal Surfaces

Metal surfaces should be sanded with at least Sa2 1/2 degree and primed in 6 hours with anticorrosive epoxy primer. Application of the topcoat should be done after drying of the primer, 4-6 hours later.

Old Painted Surfaces

Loose and swelled parts on previously painted surfaces should be removed by mechanical means such as scrubbing wire. All surfaces should be cleaned of dusts. Water-soluble agents should be removed by washing, steaming or chemical methods. Oil residues must be removed with alkaline or solvent cleaning. Rust on iron surfaces must be removed by sanding or grit blasting.

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APPLICATION

Aplication Temperature	:	min +5 °C / max + 30 °C

Recommended Film Thickness

Wet Film Thickness (micron)	:	80-100
Dry Film Thickness (micron)	:	50-60
Consumption (m^2 / L)	:	7-8
Consumption (m^2 / kg)	:	5-6

Does not include the loss of material.

Application should not be done around dew point. Application area should be well ventilated for proper drying. Moisture content of the surface should not exceed 4%.

Mixing Ratio

	By Volume	By Weight
EPOXY TOP COAT PAINT	2.5	4
The epoxy hardener	one	one
epoxy Thinner	25-30%	10-15%

Component A and Component B are mixed until a homogeneous mixture is obtained.

The application time for mixture (gel time - 250 g mixture / 23 °C / 50% RH) 8-10 hours

After stirring it should be kept for 30 minutes prior to the application for pre-reaction.

Application Equipment

Brush	Brush can be used in small areas.	
Roller	Bubble formation in the roller application should be monitored and if there is any, bubbles should be destroyed with a soft long-bristled brush.	
Air (Airmix) Spray	Nozzle diameter	Nozzle pressure
	1.4-1.6 mm	3-4 bar
Airless Spray	Airless Spray can be used.	

TS CLASSIFICATION

TS-11590

POZ No.

04.551/08

STORAGE and PACKAGING

Packaging	1 kg Set (0,8 kg A + 0,2 kg B) - 3 kg Set (2,4 kg A + 0,6 kg B) - 20 kg Set (16 kg A + 4 kg B)
Storage Conditions	Store between 5-30°C in sealed packages away from direct sunlight. Keep the packaging closed when not in use. Protect from frost.
Shelf life	2 years

HEALTH AND SAFETY INFORMATION

Refer to the instructions specified in the harmfulness and precautionary statements on the product packaging.
Product of the safety data sheet should be treated by the rules.
Refer to the nearest health facility for unexpected health problems.

LEGAL NOTES

All the information and guidelines given in this technical bulletin was formed and developed through the experience in the laboratories of Polisan Kansai Paint, and was systematically collected by our field engineers. “Polisan Kansai Paint"has the right to make changes in the product where necessary, without notice. The information given above is valid for the product from the date of publication.It is the user's responsibility to verify the accuracy of the information. The product should be used based on the technical information form for the recommended purpose. It is the responsibility of the users to implement all measures for the fulfilment of the specified requirements.
The data in the technical information form is designed to give descriptions of the product performance, under specific test conditions. An important factor in product performance is the variables that may occur in the initial process which should be used as a general guide to the user. Any unauthorised use of this product not covered in the written guidelines, Polisan Kansai Paint will not be held legally responsible.
It is always the responsibility of the user to take all necessary precautions regarding specific requirements of the law set out in local and national legislation. Follow the rules of the safety information provided in the Safety Data Sheet regarding operating procedure of the product, protective equipment, storage, fire and first aid etc. Conditions regarding the use of this product after its end date has no warranty. We can not accept responsibility for products past their expiry date. Responsibility can not be accepted.

Please contact the Technical Service department for more detailed information about the product.